(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 373 919 A3**

(12) EUROPEAN PATENT APPLICATION

(21) Application number: **89313047.6**

(51) Int. Cl.5: **C07H 19/16**

(22) Date of filing: **13.12.89**

(30) Priority: **13.12.88 JP 313017/88**

(43) Date of publication of application:
20.06.90 Bulletin 90/25

(84) Designated Contracting States:
DE FR GB

(88) Date of deferred publication of the search report:
19.12.90 Bulletin 90/51

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(54) Process for the preparation of 2'-deoxy-beta-adenosine.

(57) The present invention relates to a process for the preparation of 2′-deoxy-β-adenosine industrially and easily in high yield and with high selectivity of the β-anomer without the use of expensive raw materials or hazardous materials, by reacting a derivative of 1- -halogeno-2-deoxyribose with a derivative of adenine in the presence of a nitrogen base in 1,2,4-trichlorobenzene as a solvent to obtain 3′,5′-disubstituted-2′-deoxy-β-adenosine and subsequently eliminating the protecting groups thereof.

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EUROPEAN SEARCH REPORT

Application Number

EP 89 31 3047

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y,D	EP-A-0 173 059 (BRIGHAM YOUNG UNIVERSITY) * The whole document * & JP-A-61 106 5941 ---	1,2,4	C 07 H 19/173
Y	EP-A-0 175 004 (THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK) * Abstract; page 8, lines 4-15 * ---	1,2,4	
Y	CHEMICAL ABSTRACTS, vol. 86, no. 15, 11th April 1977, page 547, abstract no. 106950a, Columbus, Ohio, US; T. ITOH et al.: "Synthetic studies of potential antimetabolites. XXI. Product distribution in the ribosylation reactions of adenine and 1-deazapurine in the presence of stannic chloride" * Abstract * ---	1,2,4	
D,Y	J. AM. CHEM. SOC., vol. 106, 1984, pages 6379-6382, American Chemical Society; Z. KAZIMIERCZUK et al.: "Synthesis of 2'-deoxytubercidin, 2'-deoxyadenosine, and related 2'-deoxynucleosides via a novel direct stereospecific sodium salt glycosylation procedure" * The whole document * --- -/-	1,2,4	TECHNICAL FIELDS SEARCHED (Int. Cl.5) C 07 H 19/00

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	15-10-1990	SCOTT J.R.M.

CATEGORY OF CITED DOCUMENTS

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D : document cited in the application
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EPO FORM 1503 03.82 (P0401)

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TECHNICAL FIELDS SEARCHED (Int. Cl.5)

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